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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/560,127	12/09/2005	Ralf Ragnar	101077 - 1P US	2806	
52286 COZEN O'COI	7590 02/15/2007 NNOR. P.C.		101077 - 1P US 2806 EXAMINER VALENROD, YEVGENY	INER	
1900 MARKE	Γ STRÉET			, YEVGENY	
PHILADELPH	IA, PA 19380		ART UNIT	PAPER NUMBER	
			1621		
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MO	NTHS	02/15/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)	
	10/560,127	RAGNAR ET AL.	
Office Action Summary	Examiner	Art Unit	
	Yevgeny Valenrod	1621	
The MAILING DATE of this communication	appears on the cover sheet w	ith the correspondence address	•
Period for Reply A SHORTENED STATUTORY PERIOD FOR RE WHICHEVER IS LONGER, FROM THE MAILING			S,
Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory per Failure to reply within the set or extended period for reply will, by some Any reply received by the Office later than three months after the rearned patent term adjustment. See 37 CFR 1.704(b).	R 1.136(a). In no event, however, may a n. eriod will apply and will expire SIX (6) MOI tatute, cause the application to become A	reply be timely filed NTHS from the mailing date of this communical BANDONED (35 U.S.C. § 133).	tion.
Status	·		
1) Responsive to communication(s) filed on _			
	This action is non-final.		
3) Since this application is in condition for allo	owance except for formal mat	ters, prosecution as to the merits	is
closed in accordance with the practice und	ler <i>Ex parte Quayle</i> , 1935 C.[D. 11, 453 O.G. 213.	•
Disposition of Claims			
4)⊠ Claim(s) <u>1-12</u> is/are pending in the applica	tion.		
4a) Of the above claim(s) is/are with			
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-12</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction ar	nd/or election requirement.		
Application Papers			
9)☐ The specification is objected to by the Exar	niner.		
10) The drawing(s) filed on is/are: a)		by the Examiner.	
Applicant may not request that any objection to		•	
Replacement drawing sheet(s) including the co	rrection is required if the drawing	(s) is objected to. See 37 CFR 1.121	I(d).
11) The oath or declaration is objected to by the			
Priority under 35 U.S.C. § 119		·	
12)⊠ Acknowledgment is made of a claim for fore	eign priority under 35 U.S.C.	§ 119(a)-(d) or (f).	
a)⊠ All b)∐ Some * c)∐ None of:	•		
 Certified copies of the priority docum 	nents have been received.		
Certified copies of the priority document	nents have been received in A	Application No	
3. Copies of the certified copies of the	priority documents have beer	received in this National Stage	
application from the International Bu	reau (PCT Rule 17.2(a)).		
* See the attached detailed Office action for a	list of the certified copies not	received.	
Attachment(s)			
1) Notice of References Cited (PTO-892)	4) Interview	Summary (PTO-413)	
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948 3) Information Disclosure Statement(s) (PTO/SB/08) 		s)/Mail Date nformal Patent Application	
Paper No(s)/Mail Date 12/09/05.	6) Other:		
J.S. Patent and Trademark Office PTOL-326 (Rev. 08-06) Office	e Action Summer	Part of Paper No /Mail Data 20070	200
UTIC	e Action Summary	Part of Paper No./Mail Date 20070	1209

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 8 and 9 are rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for methods of treatment dislipidemia and type 2 diabetes, does not reasonably provide enablement for prevention of dislipidemia and type 2 diabetes. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to practice the invention commensurate in scope with these claims.

A conclusion of lack of enablement means that, based on the evidence regarding each of the factors below, the specification, at the time the application was filed, would not have taught one skilled in the art how to make and/or use the full scope of the claimed invention without undue experimentation.

These factors include:

- (A) The breadth of the claims:
- (B) The nature of the invention;
- (C) The state of the prior art;
- (D) The level of one of ordinary skill;
- (E) The level of predictability in the art:
- (F) The amount of direction provided by the inventor;
- (G) The existence of working examples; and
- (H) The quantity of experimentation needed to make or use the invention based on the content of the disclosure

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The breadth of the claims

Claims 8 and 9 are drawn to a method for preventing dislipidemia (claim 8) and type 2 diabetes (claim 9) by administering the compound of claim 1 or claim 2.

The state of the prior art

The examiner notes that the art does not recognize preventive therapeutic agents for dislipidemia or type 2 diabetes. Applicants are invited to provide evidence to the contrary. In any event, the examiner notes that there is no art provided of record, evidence set forth in the disclosure, or correlation establishing some nexus to support preventive administration or therapy between the art and the instant disclosure to support the alleged disease preventing applicability of the Magnesium or Calcium salts of the instant invention.

The level of one of ordinary skill

The skilled artisan in this field is that of an MD and/or a PhD skilled in the development and treatment of dislipidemia and type 2 diabetes.

The level of predictability in the art

The examiner acknowledges the probability and predictability that the instantly claimed salts have applicability in treating dislipidemia or type 2 diabetes. There is not seen sufficient data to substantiate the assertion that dislipidemia or type 2 diabetes may be prevented by the compounds of the instant invention. One skilled in this art would not predict from the disclosure provided that dislipidemia or type 2 diabetes can be prevented in view of the data and examples provided.

The amount of direction provided by the inventor.

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The instant specification is not seen to provide adequate guidance, which would allow the skilled artisan to extrapolate from the same to establish enablement for the prevention of dislipidemia or type 2 diabetes. There is not seen guidance as to how the skilled artisan would formulate the requisite active agents and use it in methods for the prevention of either of the claimed diseases.

There is not seen sufficient guidance, which would teach the skilled artisan how to administer, said active agents in methods for preventing dislipidemia or type 2 diabetes. To treat said diseases appears to be the limit of the applicability of the claimed compounds.

The existence of working examples

There are no working examples provided in the specification

The quantity of experimentation needed to make or use the invention based on the content of the disclosure

Indeed, in view of the information set forth supra, the instant disclosure is not seen to be sufficient to enable the prevention of any disease or conditions and the skilled artisan would not extrapolate preventive efficacy from the compounds instantly claimed. Nor is this data alone recognized in the art, as sufficient data to assert compounds with a specific activity would be expected to prevent dislipidemia or type 2 diabetes.

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The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lindstedt et al. (US 2005/0171204).

Instant claims are directed to a calcium or a magnesium salt of (2S)-2-ethoxy-3-(4-{2-[hexyl(2-phenylethyl)-amino]-2-oxoethoxy}phenyl)propanoic acid (from now on Compound I). Various forms of compound I are claimed in claims 2-6. Claims 7 and 12 are directed to a pharmaceutical formulation comprising compound I. Claim 8 and 9 are methods of treating or preventing dislipidemia and diabetes type 2 by administering a compound of formula I. Claim 11 is a pharmaceutical composition comprising compound I and another therapeutic agent.

Scope of prior art

Lindstedt et al. teach the free acid of compound 1 (page 2, paragraph [0021]). They also teach alkaline earth metal salt of the said acid (alkaline earth metals include Mg and Ca) (paragraph [0023], line3) and crystalline forms (paragraph [0022]). Alkaline metal earth metal counterions are pharmaceutically inactive counterions. In paragraph [0024], lines 1-3, Lindstedt et al. teach the hydrated form of the compound. Paragraph [0115] describes pharmaceutical compositions, [0052] describes compound I and another therapeutic agent. Methods of using the compound of the instant invention in

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counterion.

treatment of medical conditions is described [0044] (type 2 diabetes) and [0045] (dislipidemia).

Ascertaining the difference between prior art and the instant claims

Lindstedt et al. teach alkaline salt of the free acid of compound I. However they

do not specifically teach Magnesium or Calcium salts. They also do not teach [CaCl]⁺

Obviousness

Alkaline earth metal salts of pharmacologically active compounds are common in the art. Lindstedt et al. broadly teach salts of the compound of formula I and specifically mention alkaline earth metal salts. The instant invention claims particular alkaline earth metal salts, Magnesium and Calcium. The claimed salts are not patentable over Lindsdedt et al. absent unexpected results arising from the use of Magnesium or Calcium. Applicant claims that the salts of the instant invention can be used as medicaments for dylipidemia and type II diabetes, which is the same utility Lindstedt et al. describe for their salts. In the specification, on page 2, applicant compares the compounds of the instant invention to those found in PCT/GB02/05743. The alleged unexpected result of the magnesium or sodium salt is that it can be made into a crystalline form. Examiner would like to note that the compounds of PCT/GB02/05743 are structurally different from those of the instant invention. Therefore, the alleged unexpected result is not applicable to the instant case. In order to claim unexpected result the applicant needs to supply evidence that would make clear what advantage the Ca or Mg salt of compound I has over the salts described by Lindstedt et al.

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Conclusion

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Claims 1-12 are pending

Claims 1-12 are rejected

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yevgeny Valenrod whose telephone number is 571-272-9049. The examiner can normally be reached on 8:30am-5:00pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thurman Page can be reached on 571-272-0602. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Yevgeny Valenrod Patent Examiner

Technology Center 1600

Thurman Page

Supervisory Patent Examiner Technology Center 1600